

the finished product; weight or weave of the same fabric or scrim; or thickness or layers of the same film. Applications shall include the following information:

- (1) Trade name.
- (2) Product designations (for example, style and code number).
- (3) Color.
- (4) Type of brattice (for example, plastic or jute).
- (5) Weight of finished product.
- (6) Film: type, weight, thickness, supplier, supplier's stock number or designation, and percent of finished product by weight.
- (7) Scrim: Type, denier, weight, weave, the supplier, supplier's stock number or designation, and percent of finished product by weight.
- (8) Adhesive: type, supplier, supplier's stock number or designation, and percent of finished product by weight.
- (b) *Flexible ventilation tubing.* Applications shall include the product description information in paragraph (a) of this section and list the type of supporting structure, if applicable; inside diameters; and configurations.
- (c) *Rigid ventilation tubing.* A single application may address two or more products if the products differ only in diameters, lengths, configuration, or average wall thickness. Applications shall include the following information:
 - (1) Trade name.
 - (2) Product designations (for example, style and code numbers).
 - (3) Color.
 - (4) Type of ventilation tubing (for example, fiberglass, plastic, or polyethylene).
 - (5) Inside diameter, configuration, and average wall thickness.
 - (6) Suspension system (for example, metal hooks).
 - (7) Base material: type, supplier, the supplier's stock number, and percent of finished product by weight.
 - (8) Resin: type, supplier, the supplier's stock number, and percent of finished product by weight.
 - (9) Flame retardant, if added during manufacturing: type, supplier, the sup-

plier's stock number, and percent of finished product by weight.

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§ 7.24 Technical requirements.

- (a) Brattice cloth shall be flame resistant when tested in accordance with the flame resistance test in § 7.27.
- (b) Flexible ventilation tubing shall be manufactured using an MSHA-approved brattice cloth. If a supporting structure is used, it shall be metal or other noncombustible material which will not ignite, burn, support combustion or release flammable vapors when subjected to fire or heat.
- (c) Rigid ventilation tubing shall be flame resistant when tested in accordance with the flame resistance test in § 7.28.

§ 7.25 Critical characteristics.

A sample of each batch or lot of brattice cloth and ventilation tubing shall be flame tested or a sample of each batch or lot of the materials that contribute to the flame-resistance characteristic shall be inspected or tested to ensure that the finished product will meet the flame-resistance test.

§ 7.26 Flame test apparatus.

The principal parts of the apparatus used to test for flame-resistance of brattice cloth and ventilation tubing shall be constructed as follows:

- (a) A 16-gauge stainless steel gallery lined on the top, bottom and both sides with ½ inch thick Marinite or equivalent insulating material yielding inside dimensions approximately 58 inches long, 41 inches high, and 30 inches wide;
- (b) Two ⅜-inch diameter steel J hooks and a ⅛-inch diameter steel rod to support the sample located approximately 2⅜-inches from the front and back ends of the test gallery, 1½-inches from the ceiling insulation and centrally located in the gallery along its length. Samples shall be suspended to preclude folds or wrinkles;
- (c) A tapered 16-gauge stainless steel duct section tapering from a cross sectional area measuring 2 feet 7 inches wide by 3 feet 6 inches high at the test gallery to a cross-sectional area 1 foot 6 inches square over a length of 3 feet.